

Claims:

1. Dispenser pump (1) for delivery of liquid (2) from a container (3), having the following:

a pump housing (4) which can be attached to the container (3),

a pump shaft (6) which can be moved relative to the pump housing (4), especially can be manually pressed into it,

a dispenser head (7) on the pump shaft (6),

a first sleeve section (16) which extends from the dispenser head (7) to the pump housing (4) and radially surrounds the pump shaft, and

a second sleeve section (17) which is connected to the first sleeve section (16) towards the pump housing (4) and which can be pushed into the latter, the first sleeve section (16) in any axial position of the pump shaft (6) extending peripherally over the second sleeve section (17),

wherein

the dispenser pump (1) has a third sleeve section (18) which is connected to the second sleeve section (17) towards the pump housing (4) and can be pushed into the latter, the second sleeve section (17) in any axial position of the pump shaft (6) extending peripherally over the third sleeve section (18), so that the first, second and third sleeve section (16, 17, 18) form telescopically extendable splash protection around the pump shaft (6) between the pump housing (4) and the dispenser head (7).

2. Dispenser pump as claimed in claim 1, wherein the first sleeve section (16) is attached to, especially molded onto the dispenser head (7).

3. Dispenser pump as claimed in claim 1 or 2, wherein the first sleeve section (16) on its end area adjacent to the second sleeve section (17) has an inner projection (20) which can be caused to engage the second sleeve section (17), especially an outer projection (21) of the second sleeve section (17) on its end area adjacent to the first sleeve section (16), so that the second sleeve section (17) cannot be pulled out of the first sleeve section (16).

4. Dispenser pump as claimed in one of the preceding claims, wherein the second sleeve section (17) on its end area adjacent to the third sleeve section (18) has an inner projection (22) which can be caused to engage the third sleeve section (18), especially the outer projection (23) of the third sleeve section (18) on its end area adjacent to the second sleeve section (17), so that the third sleeve section (18) cannot be pulled out of the second sleeve section (17).

5. Dispenser pump as claimed in claim 3 or 4, wherein the inner projection (20, 22) and the outer projection (21, 23) each fit behind one another.

6. Dispenser pump as claimed in one of claims 3 to 5, wherein the inner projection (20, 22) and/or the outer projection (21, 23) is/are made as annular shoulders.

7. Dispenser pump as claimed in one of the preceding claims, wherein the third sleeve section (18) is attached to the pump housing (4), especially mounted on the collar of the pump housing (18) or molded onto it.

8. Dispenser pump as claimed in one of the preceding claims, wherein the sleeve sections (16, 17, 18) or at least their overlapping areas are at least essentially the same length when the pump shaft (6) is drawn in.

9. Dispenser pump as claimed in one of the preceding claims, wherein the sleeve sections (16, 17, 18) can be pushed into one another or overlapped with locking.

10. Dispenser pump as claimed in one of the preceding claims, wherein the dispenser pump (1) has a guide sleeve (24) which projects from the pump housing (4) to the dispenser head (7) and surrounds and preferably guides the pump shaft (6).

11. Dispenser pump as claimed in claim 10, wherein the third sleeve section (18) radially surrounds the guide sleeve (24) at a distance and an annular space is formed in between.

12. Dispenser pump (1) for delivery of liquid (2) from a container (3), especially as claimed in one of the preceding claims, having
a pump housing (4) which can be attached to the container (3),
a pump shaft (6) which can be moved relative to the pump housing (4), especially can be manually pressed into it,
a dispenser head (7) on the pump shaft (6) and
a spring (8) which pretensions the pump shaft (6),
wherein
the spring (8) is located radially outside the pump shaft (6) and/or between the pump housing (4) and the dispenser head (7).

13. Dispenser pump as claimed in one of claims 1 to 11 and as claimed in claim 11, wherein the spring (8) is radially surrounded by the sleeve sections (16, 17, 18).

14. Dispenser pump as claimed in claim 13, wherein the spring (8) is located radially between the pump shaft (6) and the sleeve sections (16, 17, 18).

15. Dispenser pump as claimed in one of claims 12 to 14, wherein the spring (8) consists of metal, especially spring steel.

16. Dispenser pump as claimed in one of claims 12 to 15, wherein the spring (8) is made as a helical spring.

17. Dispenser pump as claimed in one of the preceding claims, wherein the dispenser pump (1) has a valve (10) with a valve ball (11) of plastic.

18. Dispenser pump as claimed in one of the preceding claims, wherein all the parts which come into contact with the liquid (2) are made free of metal, especially are produced from plastic.